Manitoba

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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of October 2006. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of October 2006.

Communicable Diseases

In total, there were **415** new infections occurring across 24 communicable diseases** (excluding sexually transmitted infections and HIV) in October 2006. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Diphylobothrium (2 cases observed; expected range 0-1 cases), E. coli (22 cases observed; expected range 0-10 cases), Listeria monocytogenes (2 cases observed; expected range 0-1 cases), Invasive pneumococcus septicaemia (18 cases observed; expected range 0-13 cases) and Methicillin Resistant Staphylococcus Aureus (189 cases observed; expected range 0-152 cases). The expected number of cases and accompanying range is based on the number of cases during September, October and November 2001-2005.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **505** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in October: 377 cases of chlamydia (Ct), 73 cases of gonorrhoea (GC), 47 GC-Ct co-infections, and 8 cases of syphilis. About two-thirds of all GC and Ct cases in the province were reported among young adults between the ages of 15 and 24 years. More than half of all GC and Ct cases (54%) were reported for individuals living in the Winnipeg health region, and an additional 17% were from the Burntwood health region.

In October, 40 individuals tested positive for hepatitis C, most of who were reported from the Winnipeg health region. About two-thirds of the cases were in the 30-49 year age groups, mostly among males. Seven Manitobans, mostly males, tested positive for HIV in October 2006.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
vancomycin resistant enterococci (VRE)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,
Dr. Suresh Khatkar
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR October 2006

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2005	2006	Expected*	Ex. Range**	2005	2006
006.9	AMEBIASIS		4	2	0-4	27	32
022	ANTHRAX				***		1
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1	1	
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1	1	
320.1	BAC. MENINGITIS - PNEUM		1	0	0-1	2	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		3		***		3
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS		1	10	0-71	3	6
008.43	CAMPYLOBACTER	29	24	21	9-33	245	200
558.2	CLOSTRIDIUM DIFFICILE	130	72		***	747	946
046.1	CREUTZFELD-JACOB DISEASE				***		1
007.8	CRYPTOSPORIDIOSIS		1	4	0-13	18	26
061.0	DENGUE FEVER			0	0-0		2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP		2	0	0-1	2	6
008.0	E. COLI-VEROTOXIGENIC	2	22	4	0-10	35	153
054.3	ENCEPHALITIS			0	0-0		1
005.9	FOOD POISONING OTHER			0	0-2		1
007.1	GIARDIA LAMBLIA	9	14	13	3-23	103	115
041.5	H.I.B.-NON MTGS	1		0	0-1	3	1
041.59	HAEM. INFLUENZAE (non-B)		1		***		1
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME	1		0	0-1	1	
070.1	HEPATITIS A		2	1	0-4	16	12
070.3	HEPATITIS B	1		1	0-2	6	6
070.51	HEPATITIS C	36	40	41	21-61	348	274
054.8	HERPES-W-UNSPEC COMPL			0	0-0		5
487.1A	INFLUENZA A				***		
487.1B	INFLUENZA B				***		
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1	3	2
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		2
027.0	LISTERIA MONOCYTOGENES		2	0	0-1	4	6
088.81	LYME DISEASE			0	0-0	6	2
084	MALARIA	2	1	1	0-3	10	17
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	3	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1	2	
B95.6	MRSA	117	189	65	0-152	1032	1396
072.9	MUMPS			0	0-1	8	1
036.89	N.MENINGITIDIS OTHER			0	0-1	1	2
728.86	NECROTIZING FASCIITIS			1	0-3	7	15
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***	1	

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2005	2006	Expected*	Ex. Range**	2005	2006
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	3	1	5	0-14	29	9
038.2	PNEUM. SEPTICEMIA	5	18	6	0-13	66	108
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-3	14	1
003.0	SALMONELLA	16	10	14	5-23	135	127
120	SCHISTOSOMIASIS			0	0-1		1
004	SHIGELLOSIS	1		1	0-4	9	10
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		1
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1	2	
481	STREPTOCOCCUS PNEUMONIAE			0	0-0	3	
127.2	STRONGYLOIDES	1		0	0-1	4	5
037	TETANUS			0	0-1		1
130.9	TOXOPLASMOSIS			1	0-5		1
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	2		3	0-8	23	19
011	TUBERCULOSIS - RESP.	9	2	7	0-15	76	60
010	TUBERCULOSIS-PRIM.		1	1	0-3	8	14
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	5	1		***	41	28
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1	1	10
047.1	VIRAL MENINGITIS-ECHO	6	2	3	0-9	31	10
047.8	VIRAL MENINGITIS-ENTERO		1		***	16	5
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***	3	1
198	WNV NEUROLOGICAL SYNDROME				***	10	17
197	WNV NON-NEUROLOGICAL SYND				***	45	33
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	2		1	0-3	15	12
		378	**415**			**3167**	**3713**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR October 2006

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS						1									1	1		1										4
320.1	BAC. MENINGITIS - PNEUM																		1										1
116.0	BLASTOMYCOSIS																				1		1			1			3
005.2	C. PERFRINGENS																	1											1
008.43	CAMPYLOBACTER	1		3				1			1		1	2	2	1	3	1	3	1	1	1			1		1		24
558.2	CLOSTRIDIUM DIFFICILE		1								1		1	2	1	3		1		3	1	8	5	6	11	18	10		72
007.8	CRYPTOSPORIDIOSIS													1															1
123.4	DIPHYLLOBOTHRIUM				1																1								2
008.0	E. COLI 0157			4	10	1		1				1		1		1		1				1					1		22
007.1	GIARDIA LAMBLIA	1		2	2	2	2					1								2	1			1					14
041.59	HAEM. INFLUENZAE (non-B)																										1		1
070.1	HEPATITIS A																					1					1		2
070.51	HEPATITIS C															5	7	3	9	1	12		2			1			40
027.0	LISTERIA MONOCYTOGENES		1																						1				2
084	MALARIA																								1				1
B95.6	MRSA	6	4	4	8	3	9	3	4	9	2	5	9	5	8	9	11	6	8	10	11	4	4	11	4	17	14	1	189
033.0	PERTUSSIS		1																										1
003.0	SALMONELLA	1				1	1	1					3	1			1	1											10
038.2	STREP.PNEUMOCOCCAL SEPTIC							1			1						4	2	2		4			1		2	1		18
038.0	STREPTOCOCCAL SEPTICEMIA																		1										1
011	TUBERCULOSIS - RESP.							1								1													2
010	TUBERCULOSIS-PRIM.				1																								1
B96.8	VANCOMYCIN RES. ENTER.																										1		1
047.1	VIRAL MENINGITIS-ECHO		1														1												2
047.8	VIRAL MENINGITIS-ENTERO								1																				1
196	WNV Asymptomatic Infectio											1																	1

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
198	WNV Neurological Syndrome													1		1		3	3	1	3	1		1	2		1		17
197	WNV Non-Neurological Synd												2			1	2	4	6	2	8		4	1	1	1	1		33
		9	8	13	22	7	13	8	5	9	5	8	16	13	11	23	30	23	34	20	43	16	16	21	21	40	32		467

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR October 2006

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	4																					4
320.1	BAC. MENINGITIS - PNEUM	1																					1
116.0	BLASTOMYCOSIS	2			1																		3
005.2	C. PERFRINGENS	1																					1
008.43	CAMPYLOBACTER	8	1		1		2		3		2		3				1	2	1				24
558.2	CLOSTRIDIUM DIFFICILE	45	1	1	2		3		1		9		5		2		1		2				72
007.8	CRYPTOSPORIDIOSIS												1										1
123.4	DIPHYLLOBOTHRIUM	1																	1				2
008.0	E. COLI 0157	19	1						1						1								22
007.1	GIARDIA LAMBLIA	9					2				1				1		1						14
041.59	HAEM. INFLUENZAE (non-B)										1												1
070.1	HEPATITIS A	1					1																2
070.51	HEPATITIS C	27	1	1	2			2	1		3		1					1	1				40
027.0	LISTERIA MONOCYTOGENES	2																					2
084	MALARIA														1								1
B95.6	MRSA	61	3	2	1		4	2	3		2		8		3	9	13	60	10			8	189
033.0	PERTUSSIS	1																					1
003.0	SALMONELLA	5							2		1							1	1				10
038.2	STREP.PNEUMOCOCCAL SEPTIC	7					2			1	1				2		1	3	1				18
038.0	STREPTOCOCCAL SEPTICEMIA	1																					1
011	TUBERCULOSIS - RESP.																	2					2
010	TUBERCULOSIS-PRIM.																	1					1
B96.8	VANCOMYCIN RES. ENTER.								1														1
047.1	VIRAL MENINGITIS-ECHO						1											1					2
047.8	VIRAL MENINGITIS-ENTERO												1										1
196	WNV Asymptomatic Infectio								1														1
198	WNV Neurological Syndrome	7			1		2		5		2												17
197	WNV Non-Neurological Synd	10			1		1		5		9		6						1				33

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
		212	7	4	9		18	4	23	1	31		25		10	9	17	71	18			8	467
Missing Investigation Forms (Jan.1 to end of September)		143	6	1			15	3	1	1	4		8		1		1	2	2	1	1	5	195

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report October 2006

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2005**	**2006**	**2005**	**2006**
All Chlamydia Infections	336	424	3280	3570
All Gonorrhea Infections (including PRNG)	134	120	903	1343
All Syphilis Infections	13	8	76	50
Gonorrhea & Chlamydia Co-infections	41	47	378	427
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	6	7	93	73

Total Number of STD Cases by Age and Gender - October 2006

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases					1		8		99	37	70	44	29	29	21	22	5	9	1	2								377
Gonorrhea Only Cases									13	5	7	9	6	8	8	8	1	3	1	2		2						73
Syphilis Only Cases													1	2	1	2		2										8
GC and CT Cases									8	3	8	8	7	3	2	5		1		1		1						47
					1		8		120	45	85	61	43	42	32	37	6	15	2	5		3						505
HIV												1		1	2	2				1								7

Regional STD Distribution - October 2006

Disease/Infection	**Winnipeg**	**Brandon**	**N.Eastman**		**S.Eastman**		**Interlake**		**Central**		**Assiniboine**		**Parkland**		**Norman**		**Burntwood**		**Churchill**	**OOP**	**Missing**	**TOTAL**
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	219	14	3	9		8	9	11		31		9	2	10	3	21	48	23	2	2		424
All Gonorrhea Infections	70	3	6	1			2	2	1	5			1	2	1	2	20	3			1	120
All Syphilis Infections	7													1								8
GC and CT Infections	23	1	2				2	1		4				2		1	10	1				47

Missing Investigation Forms (Jan.1 to end of September)	43	4		2			3	3		5		4	1	2	23	2	20	7		1	1	121

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction